CLAIMS :

1. A tray mechanism consisting of sliding means comprising an electrical tray motor, for moving a tray – provided for containing a disc on which information is recorded – from a projected position, for the placement of the disc or its discharge, to a contained one, for the reproduction of recorded information, or reciprocally, and a drive power source, for supplying an applied voltage to said tray motor, said sliding means also including control means for supplying different values of the voltage applied to the tray motor according to different mechanical functions controlled by said motor, wherein said sliding means includes, for the tray steering, a motor current feed-forward loop comprising the following elements :

- a first direct branch, itself comprising in series a first amplifier of the input voltage applied to the loop, the tray motor and a resistor ;

- a second branch, the input of which is connected between the output of the tray motor and the input of the resistor that is not connected to the earth, said second branch itself comprising in series a second amplifier and an adder, and said adder receiving on one input the input voltage applied to the loop and on the other one the output of said second amplifier.

2. A disc reproducing apparatus comprising an apparatus body, pickup means for picking up recorded information from a disc and a tray mechanism for sliding said disc, with respect to said apparatus body, either to a projected position, for the placement of the disc or its discharge, or to a contained position, for the reproduction of recorded information, said tray mechanism consisting of sliding means comprising an electrical tray motor and a drive power source for supplying an applied voltage to said tray motor, said sliding means also including control means for supplying different values of the voltage applied to the tray motor according to different mechanical functions controlled by said motor at different moments, wherein said sliding means includes, for the tray steering, a motor current feed-forward loop comprising the following elements :

- a first direct branch, itself comprising in series a first amplifier of the input voltage applied to the loop, the tray motor and a resistor ;

- a second branch, the input of which is connected between the output of the tray motor and the input of the resistor that is not connected to the earth, said second branch itself comprising in series a second amplifier and an adder, and said adder receiving on one input the input voltage applied to the loop and on the other one the output of said second amplifier.